

# PHILIPS

# VCR

VIDEO CASSETTE RECORDER

**PVR200/54**

**OPERATING INSTRUCTIONS**

***MOVING***  
***VIDEO***



# PHILIPS

ⒼⒷ **Operating instructions**

Ⓕ **Mode d'emploi**

Ⓓ **Bedienungsanleitung**

ⒶⒻ **Gebruiksaanwijzing**

Ⓔ **Instrucciones de manejo**

Ⓘ **Istruzioni per l'uso**

## **SAFETY INSTRUCTIONS (U.K. only)**

### **Connecting to the mains**

#### **Important!**

The wires in the mains lead are coloured in accordance with the following code:

BLUE = NEUTRAL

BROWN = LIVE

To fit a mains plug:

- Connect the BLUE wire in the mains lead to the NEUTRAL terminal of the plug, marked "N" or coloured black.
- Connect the BROWN wire in the mains lead to the LIVE terminal of the plug, marked "L" or coloured red.

If the mains plug (or adapter) contains a fuse, this, should have a value of 3A. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5A.

Do not make any connection to the terminal in the plug which is marked by the letter "E" or by the safety earth symbol  $\equiv$  or coloured green or green-and-yellow.

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead not only over the two wires.

- Insert the plug of the mains lead into the wall socket.

#### **Note:**

The video recorder should remain connected to the mains at all times to make sure that timed recordings can be made and to allow normal TV reception. The power consumption in standby is very low.

## **INSTRUCCIONES DE SEGURIDAD (para España solamente)**

"Este aparato lleva elementos antiparasitarios necesarios para cumplir con los límites que se establecen en el Anexo V del Reglamento sobre Perturbaciones Radioeléctricas e Interferencias aprobado en el Real Decreto 138/1989. (B.O.E. de 9 de Febrero 1989)."

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## INTRODUCTION

Congratulations on purchasing your new Personal VCR/LCD-TV combination PVR200.

It is one of the most sophisticated yet simple-to-use Personal VCR/LCD-TV combination you can buy.

It will give you many hours of enjoyment whether you use it for playing back pre-recorded cassettes of your favorite films or for recording TV programs which you would otherwise have missed. Alternatively, you may find it an invaluable business aid.

You can't wait to get it working, but before you do, spare a few moments to read this brief introduction to the world of video recording. It may repay you handsomely in terms of improved results or avoidance of costly mistakes.

Your Personal PVR200 is prepared for reception of PAL and SECAM TV programs. Pre-recorded PAL cassettes can be played on this machine, except those according to the Brazilian PAL standard.

Video cassettes recorded with French SECAM colour system can only be played back in black and white. This is a technical condition and does not indicate a malfunction.

Cassettes recorded in the NTSC colour system cannot be played back.

## SAFETY INSTRUCTIONS AND PRECAUTIONS

The manufacturer cannot be held liable for damages which are incurred by not using the PVR200 in compliance with the guarantee conditions, safety instructions or precautions.

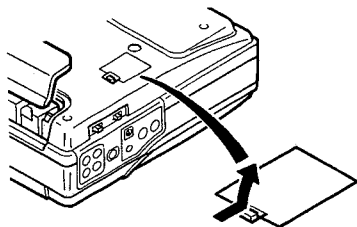
- First check the type plate of the AC adapter to see if your mains voltage is within this range.
- The PVR200 should be allowed to acclimates for at least two hours after unpacking before connecting it to the power source.
- Do not use your PVR200 immediately after moving it from a cold to a warm location or vice versa, or soon after heating a cold room or under conditions of high humidity.
- Do not place the PVR200 close to a source of heat (radiator, etc.).
- Do not place the PVR200 near appliances generating strong magnetic fields (e.g. motor, transformers).
- Do not use the PVR200 in dusty places.
- Do not poke fingers or insert objects into the cassette loading mechanism as this might cause injury and/or damage to the mechanism.
- Do not expose this PVR200 to rain or moisture.
- If liquid is spilt into the PVR200, disconnect it from its power and consult a qualified service technician.
- Dangerous voltage inside. Do not open the cabinet. There are no user serviceable parts inside. Repairs should be carried out by qualified service personnel only.

## TO GET STARTED

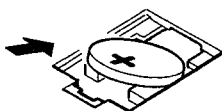
### Inserting a Lithium Battery for the clock

This unit uses a lithium battery to keep the clock activated when the external power source is disconnected.

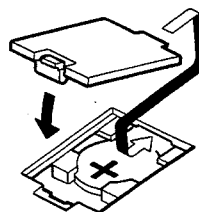
- 1** Open the cover of the lithium battery compartment.



- 2** Install the supplied lithium battery with the + side facing out.

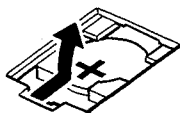


- 3** Close the cover.



#### To remove the lithium battery

Press the side of the battery in the direction as indicated for installation and lift it.



#### Lithium battery life

Approximately 1 year in normal operation. If the lithium battery becomes weak, the clock display will blink in red characters on the screen for several seconds when the power is turned on. In this case, replace the battery with a lithium battery. Use of a battery other than lithium battery may present a risk of fire or explosion. After replacing the battery, reset the clock. (See page 10)

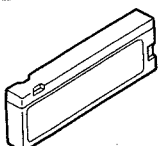
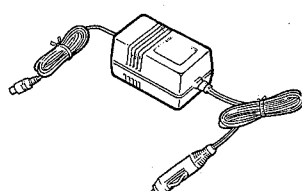
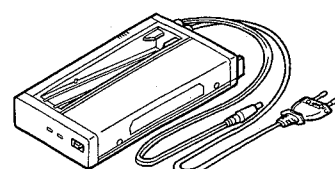
#### Notes on lithium battery

- Keep the lithium battery out of the reach of children. Should the battery be swallowed, immediately consult a doctor.
- Wipe the battery with a dry cloth to assure a good contact.
- Be sure to observe the correct polarity when installing the battery.
- Do not hold the battery with metallic tweezers, otherwise a shortcircuit may occur.
- Do not break up the battery nor throw it into a fire, which may cause it to explode. Carefully dispose of the used batteries.

#### WARNING

Battery may explode if mistreated. Do not recharge, disassemble or dispose of in fire.

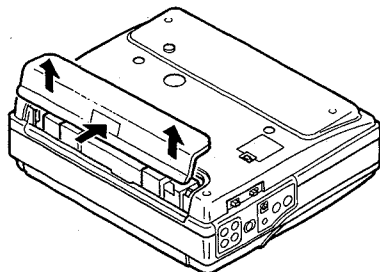
## POWER SOURCES

BATTERY	CAR ADAPTER CABLE DC 12 V ⊖ EARTH	AC ADAPTER/BATTERY CHARGER
 <p><b>BATTERY</b> SBC3641 (supplied) TV reception: approx. 2 hours 30 minutes Playback: approx. 2 hours Recording: approx. 1 hour 45 minutes</p>	 <p><b>CAR ADAPTER CABLE</b> SBC3642 (not supplied)</p>	 <p><b>AC ADAPTER/CHARGER (Supplied)</b> SBC3640 (AC 110 V-240 V, 50/60 Hz)</p>

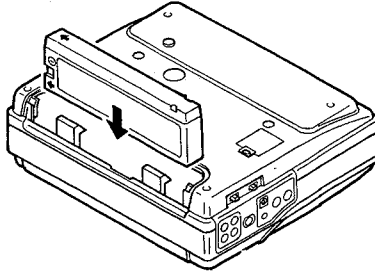
## Using a Battery

### Inserting the battery

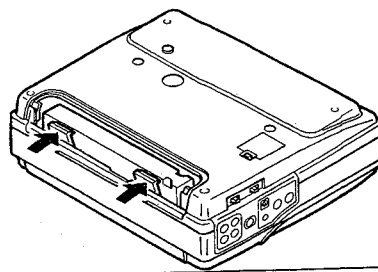
- 1** Remove the Lid.



- 2** Insertion of battery.

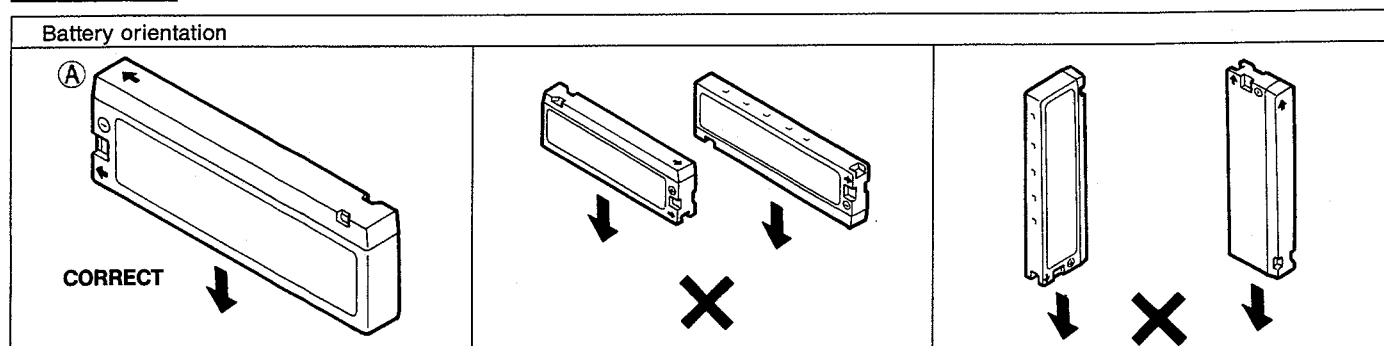


- 3** Replace the Lid.

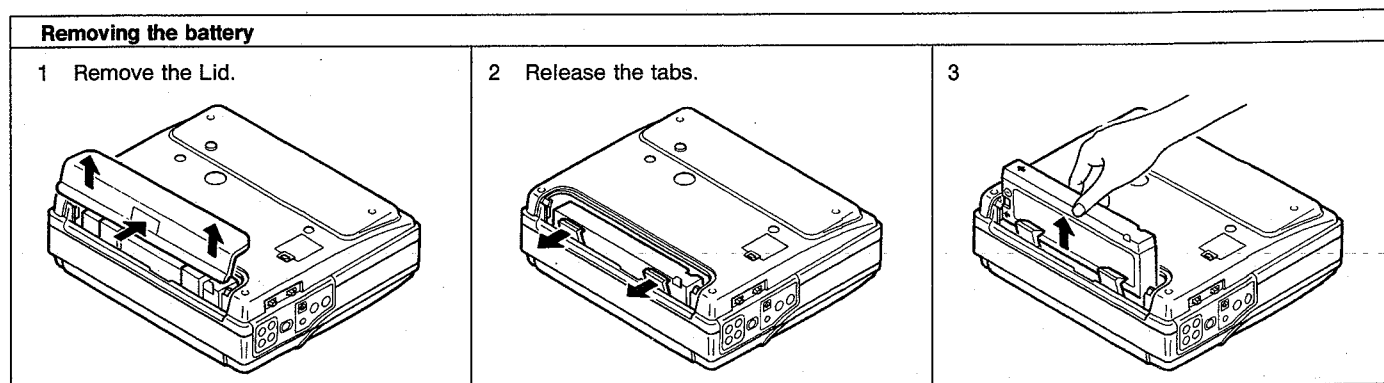


## TO GET STARTED (Continued)

### WARNING



- Make sure that the (A) arrow points to the side of the battery compartment.



### Battery

#### Important guidelines to follow when using the battery.

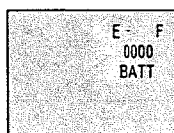
**Please note:** The battery capacity becomes less at low temperatures. Battery life will become shorter if a long time period elapses after the battery had been recharged. When using the batteries after a long period of non use, be sure to recharge the battery first.

#### Hint for getting the longest life from your battery:

- 1 Recharge the battery after use.**  
If the battery is left discharged for a long period, it may become impossible to charge.
- 2 Recharge the battery at least once every 6 months.**  
Even a charged battery, that is left unused for a long period of time, the charging capacity of the battery may become reduced.
- 3 Do not charge the battery for more than 24 hours.**  
If the battery is charged for a longer period than necessary, the charging capacity of the battery may become reduced.
- 4 When storing the battery, select a cool, dark, dry place.**

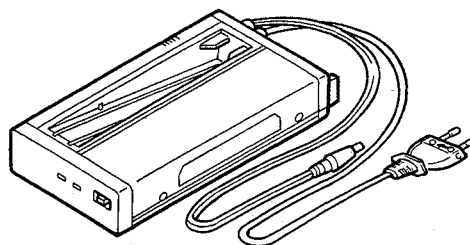
### AUTO POWER SHUT OFF

"BATT" starts blinking when the Battery Charge Level becomes low and the display shows "E- F".  
The tape deck shuts off automatically a few minutes later to protect the battery. POWER indicator starts blinking several seconds before power shuts off.

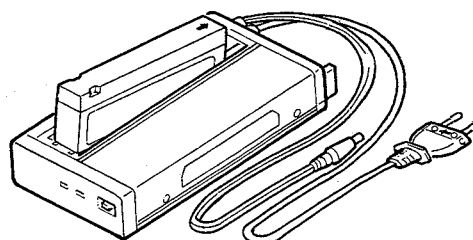


### Battery Charging

The AC Adaptor/Battery Charger (SBC3640) is also to be used for charging the battery.

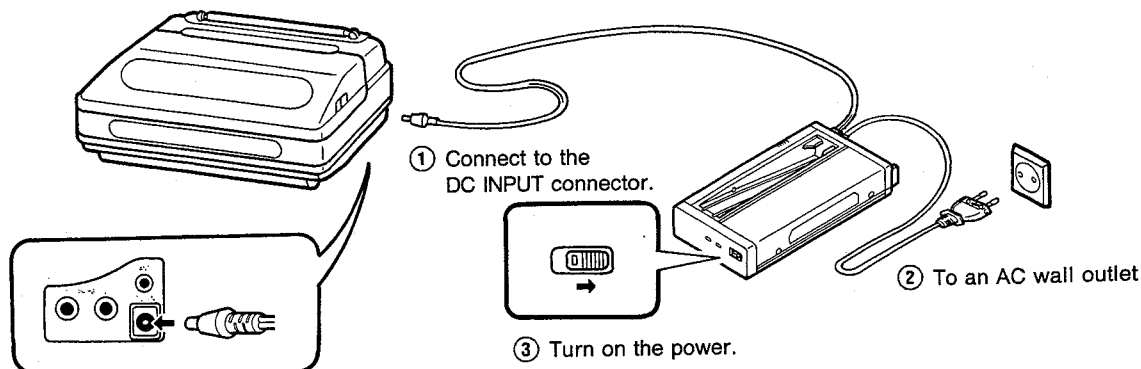


- The charging time for one SBC3641 battery is approximately 2 hours.
- The recharging time is based on a room temperature of 20°C. The lower the temperature, the longer the recharging time. To charge the battery, slide the battery into the charger as shown. Set the switch to "CHARGE". The charge indicator will light up. The battery is fully loaded when the indicator turns off.
- To protect the battery, do not repeatedly recharge a fully-charged battery.
- The battery may become warm during use and during charging. This is not an abnormality.



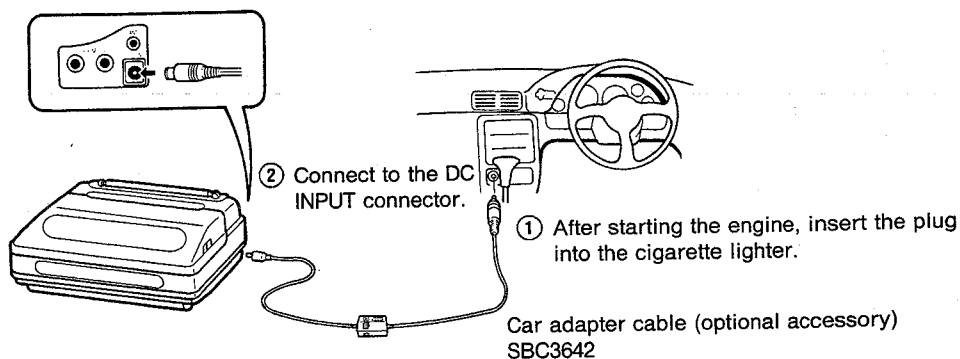
## Using an AC Power Outlet

Only use the AC Adapter/Battery Charger SBC3640. (Supplied)



## Using a Car Battery

Only use the unit together with the car adapter cable SBC3642.  
(Not supplied)



### Precautions

- Do not use other car adapter cable than SBC3642.
- Do not connect to cars which use a "+" ground connection.
- Do not use the unit while the car engine is started or switched off.
- If the car battery voltage drops too much, the protective circuitry in this unit will automatically switch off the unit. If this occurs, wait at least 10 seconds and then turn the unit on again.

### When disconnecting the AC adapter or car adapter cable

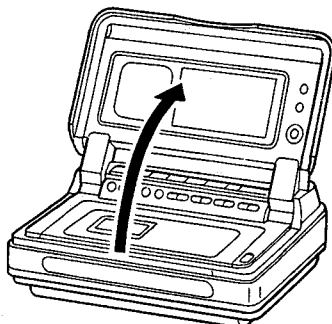
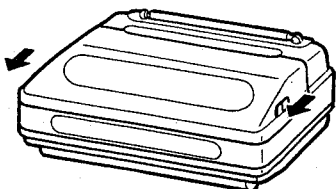
Be sure to switch the unit off first.

If the AC adapter or car adapter cable is disconnected during recording or playback, the video tape will remain wound around the video heads causing damage to the tape.

## BEFORE USE

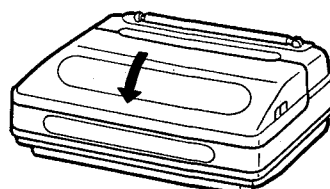
### Opening the Monitor Case

- Press the hook levers in the direction of the arrows.
- Slowly open the monitor case and position it at an appropriate viewing angle.



### Closing the Monitor Case

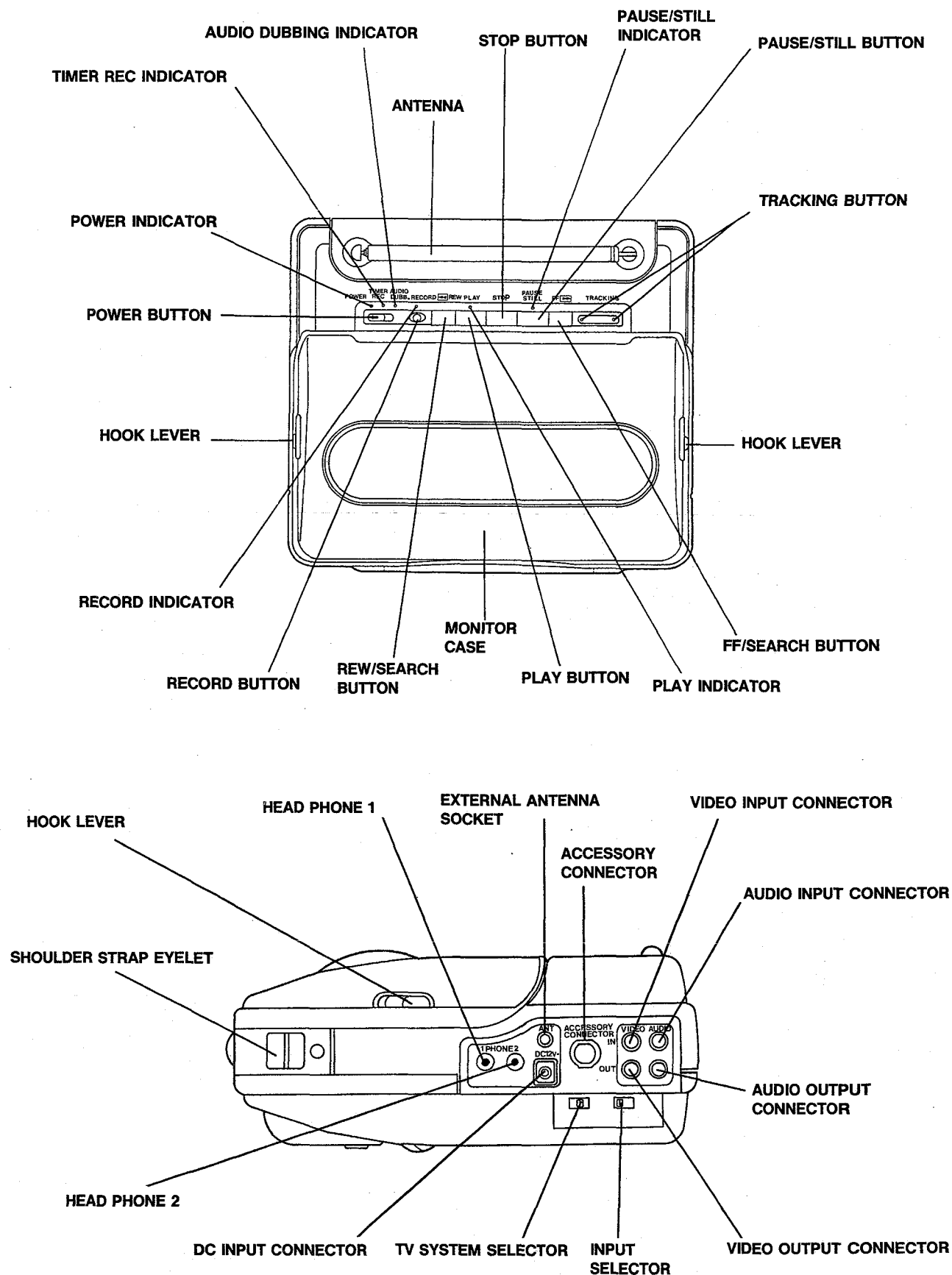
Gently lower the case to its closed position.

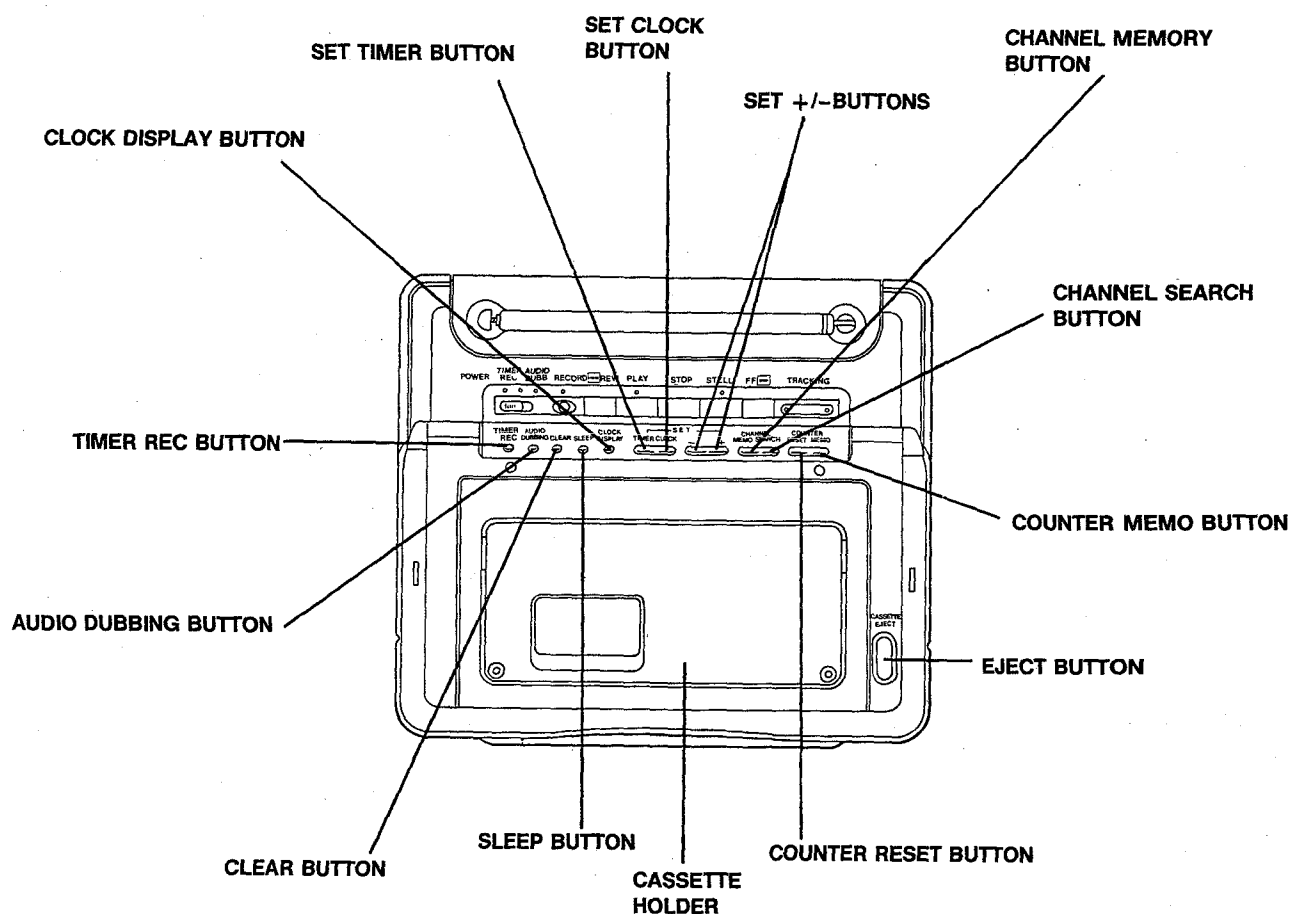
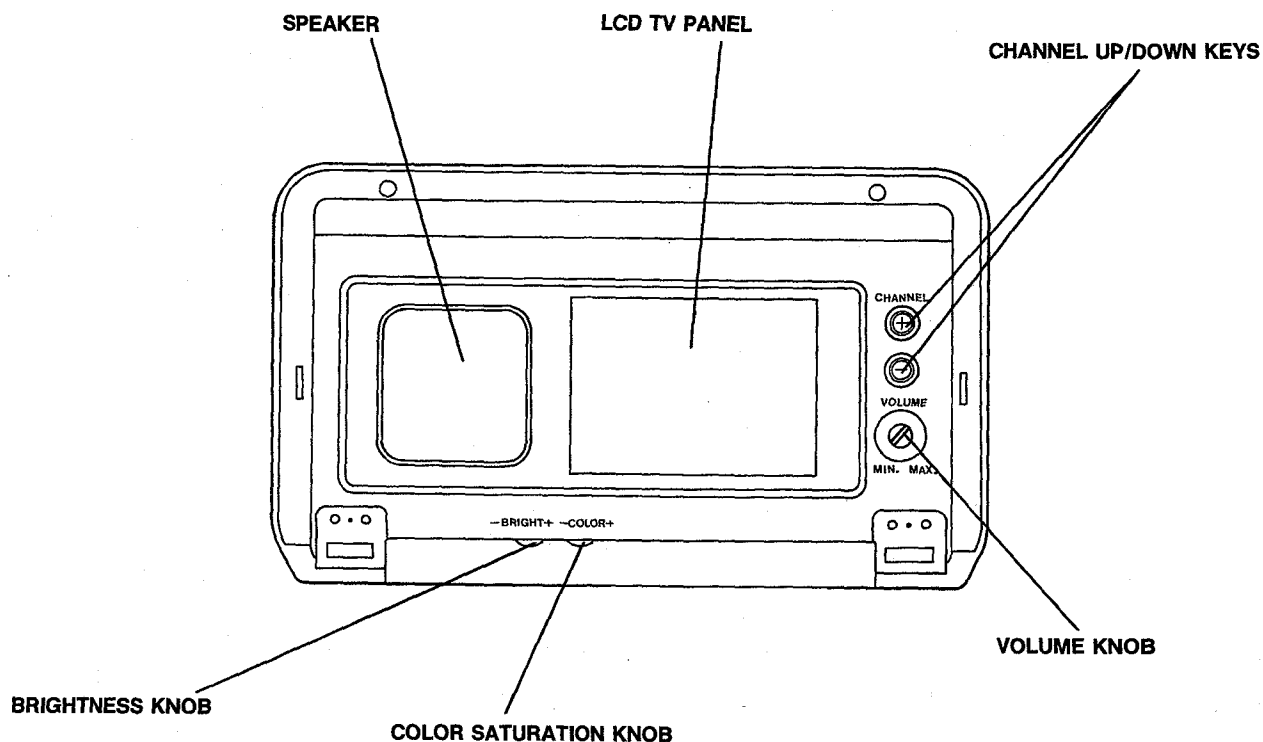


#### Precaution

- Do not close and open the monitor case during recording. Misoperation can occur.

# DESCRIPTION OF CONTROLS





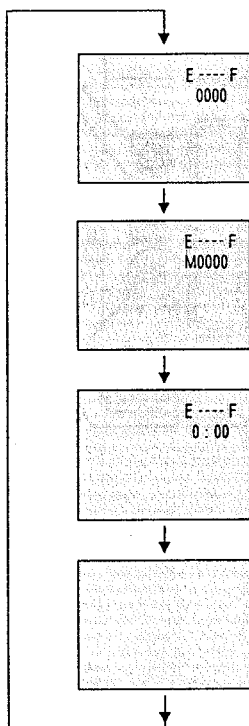


## ON SCREEN DISPLAY (OSD)

To switch the unit on and off. Slide the POWER button to the right. The POWER indicator will light up.

### Counter

Each time you press the COUNTER MEMO button, the mode of the counter display in the upper right corner of the screen changes according to the following sequence.



#### Tape Counter mode

The number changing in accordance with the running of the tape.  
(The counter continuous operating even when the display is extinguished.)  
Pressing the COUNTER RESET button resets the counter to 0000.

#### Counter Memo mode

During an operation such as fast-forward or rewind, the tape will stop when the counter reaches 0000.  
Counter Memo mode is activated by pressing the COUNTER MEMO button.

#### Lap-time Counter mode

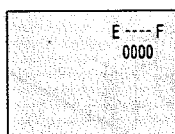
Shows the elapsed recording time.  
This counter does not operate during playback.  
Pressing the COUNTER RESET button resets the counter to 0:00.

#### Counter Suppress mode

The counter is automatically reset to 0000 when the power is turned off.

### Battery Charge Level

The battery charge level displayed appears whenever the counter is displayed. As the battery charge level diminishes, the '-' marks in the "E ---- F" (Empty - Full) display go out one-by-one from right to left.

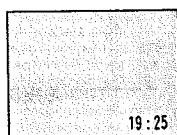


### Clock

Pressing the CLOCK DISPLAY button causes the clock to appear in the lower right corner of the screen.

Pressing the button again extinguishes the clock display.

When the clock is in its initial state, "12:00" blinks on the display in red characters. When this occurs, please refer to page 10 "TO SET THE CLOCK".



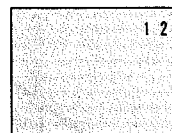
### Channel

When the channel is changed using the CHANNEL UP/DOWN keys, the new channel number is displayed on the screen for several seconds.

The displayed channel numbers are displayed in one of three colors as follows:

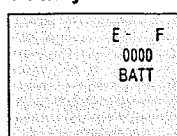
PAL BG ----- WHITE  
PAL I ----- BLUE  
SECAM LL' --- YELLOW

After two seconds the display changes to small characters, and two seconds after that the display returns to normal.



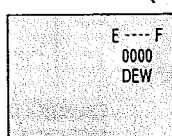
### Warnings

#### Battery



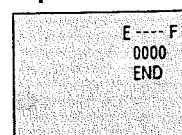
"BATT" starts blinking when the Battery Charge Level display becomes "E- F". The power from the battery is cut off a few minutes later.

#### Condensation (dew)



There is condensation inside the unit. See page 17.

#### Tape end



"END" starts blinking when the end of the tape approaches during recording.

# TUNING AND CHANNEL MEMORY

## Auto Search Tuning Memory

This function can search for all currently receivable broadcasting stations and store the channels in the memory.

### Before performing Auto Search

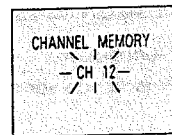
Adjust the rod antenna as shown on page 11.

Set the INPUT selector to the TUNER position.

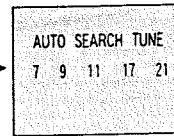
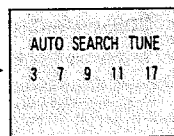
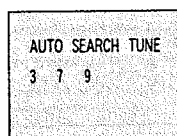
Set the TV SYSTEM selector to the broadcasting system (PAL-BG, PAL-I, SECAM-L) of the channels you expect/want to receive.

SYSTEM SELECTOR	TV SYSTEM	COUNTRY
PAL-BG	PAL-BG	Most European countries
	SECAM-BG	East Germany, Middle East countries
PAL-I	PAL-I	UK, Ireland, Hong Kong
SECAM	SECAM-LL'	France

1. Press the CHANNEL MEMORY button.  
The CH MEMORY screen appears.



2. Press the CHANNEL SEARCH button.  
The AUTO SEARCH TUNE screen appears and the unit starts searching for receivable broadcasting stations.  
The memorized stations appear on the display in the order of their channel numbers.  
If more than five stations are memorized, the channel numbers on the display shift to the left as the number of memorized channels increases.



3. When the Auto Search operation is completed, the unit returns to normal.

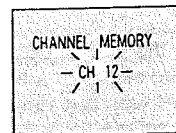
- When Auto Search is carried out, the previously memorized channels are erased automatically from the memory.

## Channel Memory (Manual)

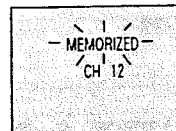
This function can be used to memorize any desired channel.

Use this function to directly memorize channels which were not automatically memorized by the Auto Search function.

1. Press the CHANNEL MEMORY button.  
The CH MEMORY screen appears.  
The current channel number blinks on the screen.  
Use the CHANNEL UP/DOWN keys to select the channel number you wish to memorize.



2. Press the CHANNEL MEMORY button again.  
The screen appears for a few seconds, indicating that the selected channel has been memorized.

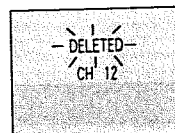


## Channel Deletion

This function is for deleting channels which have been memorized by the Auto Search function or Channel Memory function.

1. In the same way as the Channel Memory function, press the CHANNEL MEMORY button and then use the CHANNEL UP/DOWN keys to select the channel number you wish to delete.

2. To delete the selected channel, press the CLEAR button.  
The screen appears for a few seconds to indicate that the selected channel has been deleted.

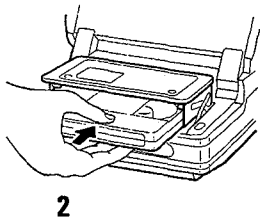
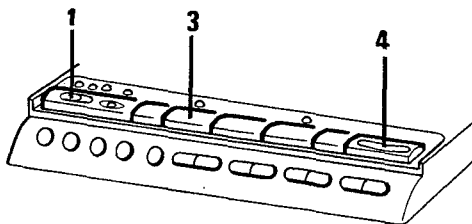


## Notes

- Once a channel has been memorized, it will remain in memory even if the power is turned off.  
It is convenient to perform the Auto Search function whenever you use the TV at a different location which uses a different broadcasting system or has a different selection of receivable channels.

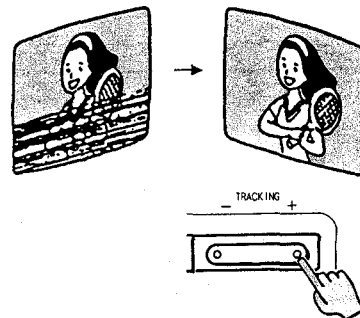
## TO PLAY

### Normal Playback



- 1 Turn on the power.
  - The POWER indicator lights.
- 2 Load a cassette.
- 3 Start playback.
  - To stop playback, press the STOP button.
- 4 Tracking adjustment

- During playback  
If the picture appears as shown in the diagram, make adjustments using the TRACKING button to obtain a normal picture.
- When playing tapes recorded by other VCRs, there are some cases where the picture tracking cannot be adjusted perfectly.



### Special Effects and Operations

#### Notes:

- During special playback operations, noise appears in the playback image making it less clear than during normal playback.
- Noise may blur the upper and/or lower parts of the image and the color may disappear.
- The position of the noise varies during fast-forward and rewind operations.

#### TO QUICKLY SEARCH FOR A DESIRED SCENE

- During playback, press and hold the REW/SEARCH or FF/SEARCH button until the desired scene is located.
- Normal playback resumes when the button is released.

#### To normally fast-forward or rewind the tape

- With the unit in Stop mode, press the REW/SEARCH or FF/SEARCH button.

#### TO FREEZE THE IMAGE AT A DESIRED SCENE

- During playback, press the PAUSE/STILL button. The PAUSE/STILL indicator lights.
- Press the PAUSE/STILL button again to resume normal playback.

#### AUTO REWIND MECHANISM

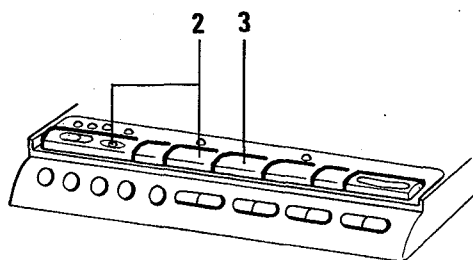
- When the end of the tape is reached during playback or recording, the tape is automatically rewound to the beginning.

#### MEMORY FUNCTION

- Press the COUNTER MEMO button to set the counter display.
  1. At the beginning of the scene you wish to return to later, press the COUNTER RESET and COUNTER MEMO buttons. The counter display on the LCD panel becomes "0000" and the "M" symbol is displayed.
  2. When recording or playback is finished, press the STOP button.
  3. Press the REW/SEARCH button.
- The tape stops when the counter reaches "0000".
- This function also works in the fast-forward direction.
- To stop in mid-operation, press the STOP button.

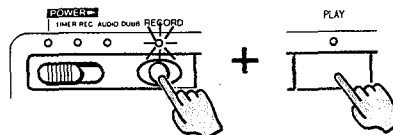
## TO RECORD TV PROGRAMS

Select the desired TV program using the operations on page 11.

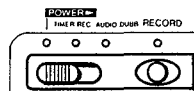


1. Load a cassette that has its erase protection tab intact (not broken off).

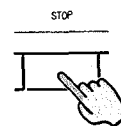
2. Start recording.
  - Press the RECORD and PLAY buttons simultaneously.



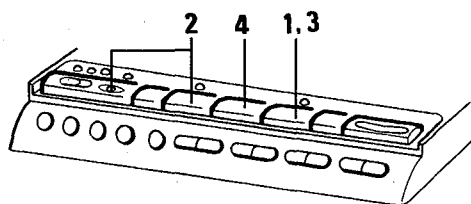
- The RECORD indicator lights.



3. To stop recording.
  - Press the STOP button.



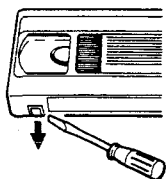
### Contiguous Recording



### Erase protection

Cassettes have a Record Tab to ensure that recordings are not accidentally erased.

- To prevent accidental erasure



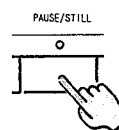
Break off the tab.

- To record again

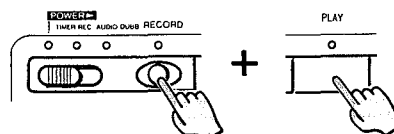


Cover the hole with cellophane tape.

1. While watching the playback video image on the LCD panel, press the PAUSE/STILL button at the point where you wish to begin the adjoining recording.

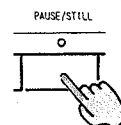


2. Press the RECORD and PLAY buttons simultaneously.

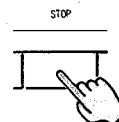


- The RECORD indicator lights.

3. Press the PAUSE/STILL button again to start recording.



4. To stop recording.
  - Press the STOP button.
  - To temporary stop recording, press the PAUSE/STILL button.



## TIMER RECORDING

Using the Timer Recording function, you can set the timer to record a single program starting at any time within the next 24 hours.

### Before carrying out Timer Recording

- Check to make sure the clock is set to the correct time.
- Load a cassette that has its erase protection tab intact (not broken off).
- The attached rod antenna may not provide a clear picture or sound depending on the conditions of the broadcast signal.
- Since the power supply of a rechargeable battery may become exhausted during the recording, it is recommended to use an external power supply when using the Timer Recording function.

### To confirm the timer program settings

Cancel TIMER STANDBY mode, turn on the power, and press the SET TIMER button.

Even during timer recording you can check the settings of the currently executing timer program by pressing the SET TIMER button.

### To change or delete the timer program settings

Cancel TIMER STANDBY mode, turn on the power, and press the SET TIMER button.

You can change any of the settings on the timer screen display in the same manner as when originally making the settings.

Also, you can clear all of the timer program settings by pressing the CLEAR button while the timer screen is displayed.

Timer program settings cannot be altered during recording.

### During timer recording

Normal operation buttons such as the STOP and PAUSE/STILL buttons do not function during timer recording.

### To cancel timer recording

Press the TIMER REC button again.

- It is also possible to cancel timer recording in mid-operation by pressing the SET TIMER button to display the timer program settings on the LCD panel and then pressing the CLEAR button.

### If a power blackout occurs during timer recording

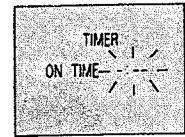
Timer recording stops. The power will not come back on automatically. Even not when the power blackout ends.

1. Press the SET TIMER button.

The timer screen appears as shown in the diagram at the right.

The '---' display indicates that the unit is not currently set for timer recording.

If left in this condition, the screen will disappear after several seconds. Press one of the SET +/- buttons so that current time appears on the screen.

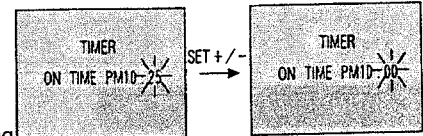
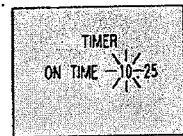


2. Set the recording start time.

Set the hour using the SET +/- buttons.

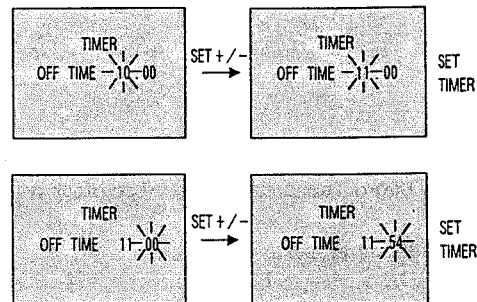
After setting the hour, press the SET TIMER button to move the setting position to the minutes position. (The minutes position blinks.) Set the minutes using the SET +/- buttons.

When finished setting the minutes, press the SET TIMER button.



3. Set the recording stop time.

Set the OFF time in the same manner as the start time above.



When finished setting the stop time, press the SET TIMER button.

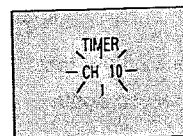
4. Select the channel to be recorded.

Use the SET +/- buttons to select the channel number you wish to record.

Only memorized channels can be selected using the SET +/- buttons.

After selecting the desired channel, press the SET TIMER button.

The TIMER screen disappears to indicate that timer setting is completed.



## TIMER RECORDING (Continued)

### Notes

- If a tape with its erase protection tab broken off is loaded, the unit will not enter TIMER STANDBY mode.
- If timer recording is carried out with the LCD panel in its upright, open position, both picture and sound will be available during recording.  
To prevent unnecessary power consumption, close the LCD panel while the unit is in TIMER STANDBY mode.
- The channel selected when making the timer program settings is valid only when the INPUT selector is set to TUNER.  
If timer recording begins when the INPUT selector is set to LINE or ACCESSORY, the picture and sound input from the external input terminals are recorded.
- Do not change the setting of the TV SYSTEM selector after the timer program settings have been completed. The selected channel may not be able to be tuned in properly during timer recording.

5. Set the unit to TIMER STANDBY mode.  
After completing the timer setting operation, press the TIMER REC button to set the unit to TIMER STANDBY mode. The power goes off and the TIMER REC indicator lights. Recording automatically begins at the recording start time and the power is automatically turned off at the recording end time.
  - The power cannot be turned on using the POWER button while the unit is in TIMER STANDBY mode.  
To resume normal operation, press the TIMER REC button to cancel TIMER STANDBY mode and then turn on the power using the POWER button.

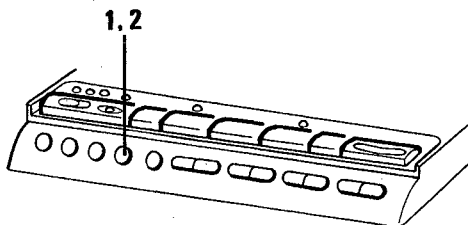
## SLEEP TIMER

When watching the TV, playing a tape or recording a tape, this function will automatically turn the power off after a preset time period elapses.

### Before using the sleep timer

Check to make sure that the clock is set correctly.

If the clock has not been set and "12:00" (red characters) is blinking on the screen, the sleep timer will not function.

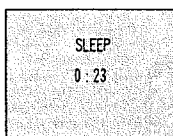


### To check the sleep timer remaining time

Press the SLEEP button once.

The remaining time is displayed on the screen as shown in the diagram.

If the SLEEP button is pressed 2 or more times, the time period will be extended.

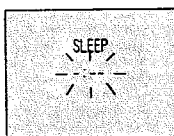


The power will turn off after 23 minutes.

### To cancel the sleep timer

Press the SLEEP timer button several times so that the "--:--" display appears.

- The sleep timer can also be canceled by turning off the power with the POWER button.

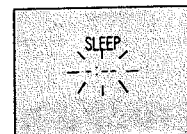


### Notes

- When running the unit from a battery, the power may shut off before the set time period has elapsed depending on the charge condition of the battery.

1. Press the SLEEP button.

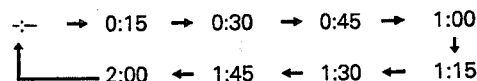
The SLEEP setting screen appears.



2. Press the SLEEP button a number of times to select the desired time period.



Each time the SLEEP button is pressed, the time period setting changes according to the following sequence.

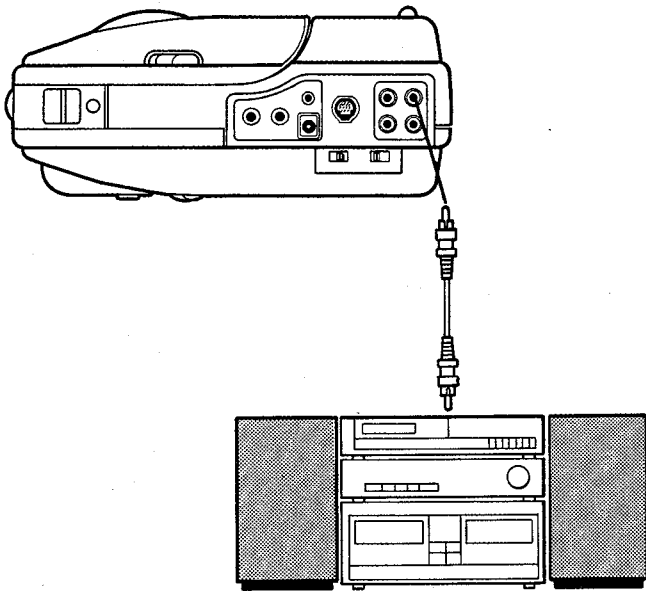


3. After selecting the desired time, leave the unit as it is.

After 5 seconds, the sleep timer setting display will disappear and the original display will return.

## AUDIO DUBBING

This function enables you to re-record a desired audio source over the audio part of a recorded video tape.



- 1 Turn on the power and load a recorded video tape which has its erase protection tab intact (not broken off).
- 2 While playing the tape, press the PAUSE/STILL button at the point where you wish to begin the audio dubbing.
- 3 Press the AUDIO DUBBING button. Make sure that the AUDIO DUBBING indicator lights.
- 4 After preparing the audio source to be used for dubbing, press the PAUSE/STILL button. Audio dubbing begins.
- 5 To stop the audio dubbing operation, press the STOP button. When you want to interrupt the audio dubbing operation press PAUSE/STILL button.

### Notes

- The audio signal recorded during audio dubbing depends on the position of the INPUT selector.

TUNER — Television signal

LINE — Audio signal input through the external AUDIO INPUT connector.

- Audio dubbing cannot be performed with a video tape which has its erase protection tab broken off. If you wish to perform audio dubbing with such a tape, first cover the erase protection hole with cellophane tape.

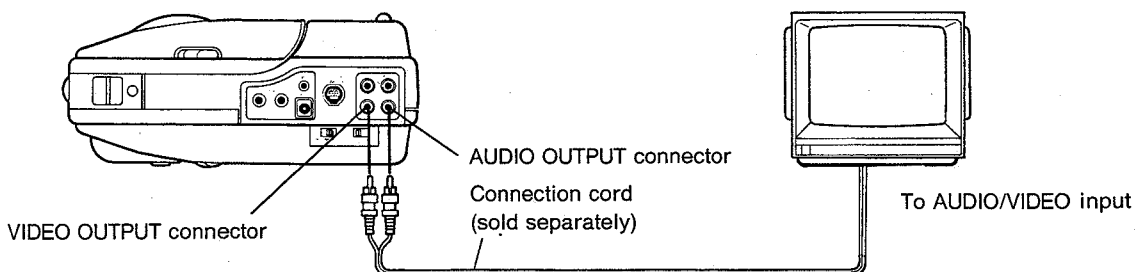
## A SEPARATE TV MONITOR

### To play tapes using a TV with video and audio input

For connection cables needed you may prefer to consult your dealer.

The personal video unit is equipped with the so-called CINCH or RCA sockets.

- Select the "AV" input mode on the TV. (Consult the directions for use of the TV.)



## PRECAUTIONS

To ensure proper and safe use of your PHILIPS Personal Video, be sure to follow the guidelines listed below. If there is anything you do not understand, please consult your dealer.

### **Be Careful of Condensation (Dew). (Condensation may cause damage to your tape or to the heads in this unit.)**

What is condensation?: Condensation is the build up of water droplets on a surface, such as those that appear on windows when a heater is used to warm a room in the winter.

#### ■ **If condensation (DEW) occurs**

- When the power is turned on, "DEW" blinks on the LCD panel. The POWER indicator and the DEW display blink.
- After approximately 15 seconds the power automatically switches off and only the DEW display keeps blinking.
- Since condensation is usually a gradual process, the "DEW" indication may not appear for the first 10-15 minutes after condensation begins.

#### ■ **What to do if condensation occurs**

- If a tape is loaded, turn the power on again, remove the tape, and then wait for the condensation to disappear.

#### ■ **Starting to use the unit**

- After making sure that the DEW display has gone out, turn on the power and use the unit.

#### ■ **Conditions which cause condensation**

- A room in which the heater has just been turned on.
- When the unit is suddenly moved from a cold location to a warm location.
- A room which has a high level of humidity.
- When the unit is suddenly moved from an air-conditioned room or car to a hot, humid location.
- When moving the unit between locations with greatly different temperature levels, let the unit become acclimated to the new environment before using it.

### **Handling Precautions**

If the unit is subjected to a shock during use, noise may appear on the screen, and the sound may be distorted.

**Protect the unit from rain.**

**Protect the unit from sea water.**

**Protect the unit from sand and dust.**

**Placing the unit close to a TV may have bad effects on the picture and sound.**

**Do not use the unit with the cassette holder facing down. This may cause the tape to be wound unevenly or become slack, resulting in damage to the tape.**

**When transporting or shipping the unit, make sure to remove the video cassette from the unit before packing it.**

### **Care and Maintenance**

- Remove dirt and smudges by wiping with a soft cloth.
- Do not use substances such as benzene or thinner for cleaning.



## TROUBLE SHOOTING

If a problem cannot be corrected even after following the guidelines on this page, consult your dealer.

	Symptom	Cause	Remedy	Reference page
Power source	The power does not turn on.	The power source is not properly connected.	Properly connect the power source.	3, 4, 5
		The unit is in TIMER STANDBY mode.	Press the TIMER REC button to cancel TIMER STANDBY mode.	4
	The power turns off immediately after being turned on.	The battery is exhausted.	Use a fully charged battery.	8, 17
		There is condensation (dew) inside the unit.	Wait until the condensation disappears.	11
TV reception	Television programs cannot be received.	The INPUT selector is not set to "TUNER".	Set the switch to "TUNER".	11
	The selected channel does not come in clearly.	The signal is weak.	Adjust the antenna.	11
		The condition of the signal is poor due to factors such as signal reflections (echoes) from mountains or buildings, etc.		
		The antenna is not oriented in the correct direction.		
	The picture is light (whitish).	The BRIGHTNESS knob is not properly adjusted.	Properly adjust the BRIGHTNESS knob.	11
	The color is thin.	The COLOR SATURATION knob is not properly adjusted.	Properly adjust the COLOR SATURATION knob.	11
	No sound is output from the speakers.	Headphone plug is connected to PHONE 1.	Unplug the headphones.	
Recording	Recording cannot be carried out.	The video cassette's erase protection tab has been broken off.	Use cellophane tape to cover the hole exposed by the broken tab.	13
Playback	The playback image is not in color.	The tracking is not properly adjusted.	Adjust the tracking.	12
		The tape is of poor quality.	Use a good quality tape.	
		The cassette was recorded in "French SECAM" system.	—	
Other	The battery runs down quickly.	The battery is not sufficiently charged.	Recharge the battery.	4
		The unit is being used in a cold environment.	—	4
	The battery is worn out.	—	Use a new battery.	8
	The unit enters stop mode in the middle of fast-forwarding or rewinding.	The "M" symbol is displayed next to the tape counter.	Press the counter memo button so that the "M" symbol disappears.	

- This unit incorporates a microcomputer. External noise or interference may cause the unit to operate abnormally. If this occurs, turn off the unit and disconnect the power source (battery or AC adaptor), and then reconnect the power source and turn the unit back on.

# SPECIFICATIONS

## MAIN UNIT GENERAL

Supply voltage 12 volt DC  
Power consumption 14 W

## AC adapter/Battery Charger

Mains voltage SBC3640  
110 - 240 V Auto select  
Mains frequency 50/60 Hz  
Output voltage 12 V DC  
Output current 1.2 A  
Charging time of a battery SBC3641 2 Hours typical

## Battery

Output voltage SBC3641 12V  
Loading capacity 2.5 Ah

## VCR Section

Recording System VHS, PAL and MESECAM, SECAM-OST  
Tape Speed 23.39 mm/sec  
Recording Time Maximum 4 hours with E-240  
Fast-forward/Rewind Time 12 minutes typical with E-240

## Dimensions

262 (W) x 98 (H) x 230 (D) mm

## Weight

Approx. 2.95 kg

## Operating Temperature Range

5°C - 40°C

## Relative Humidity

10% - 75%

## TV Section

LCD Panel 4-inch Square TFT active matrix LCD  
Number of pixels 234 x 479 (112,086)  
Channels

	VHF I	VHF III	UHF
PAL BG	2 - 4 (E2 - E4) (A - C)	5 - 12 (E5 - E12) (D - H)	21 - 69 (21 - 69)
PAL I	2 - 4 (IA - IC)	5 - 11 (ID - IK)	21 - 69 (21 - 69)
SECAM LL'	2 - 4 (L2 L3 L4)	5 - 10 (L5 - L10)	21 - 69 (21 - 69)

## Tuning System

Automatic PLL tuning

## Speaker

50 mm round speaker

## Video Input

1.0 Vp-p 75 ohm CINCH

## Video Output

1.0 Vp-p 75 ohm CINCH

## Audio Input

200 mV 47 kohm CINCH

## Audio Output

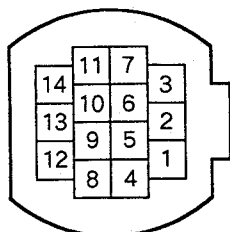
500 mV 600 kohm CINCH

## External Antenna socket

3.5 mm  $\phi$  jack

## Headphones socket

2 x 8 ohm minimum Mini jack



1. Ext. 12V
2. Batt 12V
3. GND
4. Line  $\text{Ⓛ}$
5. Audio IN
6. Charge  $\text{Ⓛ}$
7. NC
8. Y-IN
9. GND
10. C-IN
11. Video OUT
12. Audio OUT
13. GND
14. GND

## Accessories supplied

AC adapter/Battery charger	SBC3640
Battery pack	SBC3641
Shoulder strap	22AV 5263/00
Antenna adapter cable	22AV 5262/00
Lithium battery	
Soft case	SBC3643

## Optional (recommended) accessories

Car adapter cable	SBC3642
Carrying case	SBC3644
Head phones	SBC3171/SBC3174
In-Ear Head phone	SBC3134

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## INTRODUCTION

Nous vous félicitons d'avoir acheté votre nouveau magnétoscope/téléviseur LCD personnel PVR 200.

C'est l'un des magnétoscopes/téléviseurs LCD personnels des plus sophistiqués bien que facile à utiliser. Il vous procurera de nombreuses heures de plaisir vidéo, que vous l'utilisiez pour lire des cassettes préenregistrées de vos films préférés ou pour enregistrer des programmes TV que vous auriez manqués autrement. Il peut aussi vous être utile pour votre travail.

Vous avez hâte de l'utiliser, mais avant cela, passez donc quelques instants à lire cette introduction au monde de l'enregistrement vidéo. Ceci peut vous donner des résultats améliorés et vous éviter des erreurs qui vous coûteraient cher.

Votre magnétoscope/téléviseur LCD PVR 200 est conçu pour la réception des programmes TV PAL et SECAM. Les cassettes PAL préenregistrées peuvent être lues sur cet appareil, sauf celles de la norme PAL brésilienne.

Les cassettes enregistrées avec le système couleur SECAM français ne peuvent être lues qu'en noir et blanc. Ceci est une condition technique et n'indique pas un mauvais fonctionnement.

Les cassettes enregistrées sous le système couleur NTSC ne peuvent pas être lues.

## INSTRUCTIONS ET PRECAUTIONS POUR VOTRE SECURITE

Le fabricant ne peut être tenu pour responsable de dommages provoqués par une utilisation du magnétoscope/téléviseur LCD non conforme aux conditions de garantie, aux instructions et précautions pour la sécurité.

- Vérifier d'abord que la tension locale est identique à celle indiquée sur la plaque arrière de l'adaptateur CA.
- Le magnétoscope/téléviseur LCD doit être laissé dans l'environnement ambiant au moins deux heures après le déballage avant d'être brancher sur le secteur.
- Ne pas utiliser le magnétoscope immédiatement après l'avoir déplacé d'un endroit froid à un endroit chaud ou vice-versa, aussitôt après avoir chauffé une pièce froide, ou quand l'humidité est élevée.
- Ne pas placer le magnétoscope près d'une source de chaleur (radiateur, etc.).
- Ne pas placer le magnétoscope près d'appareils générant des champs magnétiques puissants (par exemple des moteurs, transformateurs, etc.).
- Ne pas utiliser le magnétoscope dans des endroits poussiéreux.
- Ne pas insérer d'objets ni les doigts dans l'orifice de chargement de la cassette car ceci peut provoquer des blessures et/ou endommagements du mécanisme.
- Ne pas exposer ce magnétoscope à la pluie ni à l'humidité.
- Si un liquide est renversé dans le magnétoscope, le débrancher et consulter un technicien de service qualifié.
- Tension dangereuse à l'intérieur. Ne pas ouvrir le coffret. Il n'y a pas de pièce réparable par l'utilisateur à l'intérieur. Les réparations ne doivent être confiées qu'à un personnel de service qualifié.